

SYG-455/1000 SYNTHETIC LITHIUM COMPLEX HD (HEAVY DUTY) GREASE

Product Description

SYG-455/1000 greases are high performance, extreme-pressure greases which combine a synthetic base fluid with a lithium complex soap thickener. The thickener system provides a high dropping point, excellent resistance to water wash, and a tenacious structural stability. The unique physical properties of the synthetic base oil, combined with selective additives, provide outstanding protection against wear, rust, corrosion and high temperature degradation.

The wax-free feature of the synthetic base oil allows for low temperature mobility/pump ability and very low starting and running torque values. Also, the traction property of the synthetic base fluid in these greases is considerably lower than mineral oil, allowing for temperature reductions in the load zone of rolling element bearings.

Applications

SYG-455/1000 NLGI Grade 1 grease is recommended for industrial applications at both high and low temperatures. It will provide outstanding bearing protection under heavy loads at low to moderately high speeds, and where water is a factor. SYG-455/1000 has performed extremely well in steel mill and paper mill applications. It also has proven to be exceptional severe service automotive chassis grease. Automobiles, electrical appliances, precision equipment, audio equipment, and office equipment with plastic parts. Used as a damper grease to reduce noise in moving parts, such as gears.

Benefits

- Operating range of -40° C to 150° C.
- Excellent resistance to rust, corrosion and oxidation.
- Outstanding structural stability in the presence of water.
- Low volatility.
- Excellent wear protection under heavy loads and high temperatures.
- Power saving capabilities.
- Extended lubrication intervals.
- Compatible with most plastics.
- Effective in reducing noise from plastic gears.
- Long service life.
- Low seepage, so it can be used in places wherein cleanliness is required.
- Does not contain silicone, thereby preventing problems with contact point failures

Typical Properties

SYG-455/1000	
Appearance	Translucent, white
Soap Type	Lithium Complex
Color	Red
Operating Temperature	-40°C to 150°C
Drop Point	200
NLGI	1
Worked Penetration	310-340
Baseoil viscosity@40°C	1000
Water Washout (%)	4
Four Ball EP Weld Load, kg	1400
Four Ball Wear Scar	0.71
Evaporation	3.0
Copper corrosion	1A

Available Packs: 1 and 5 Kg

Tubes: 50, 100, 200 Grams Tube

Shelf Life - 36 Months from the Manufacturing month

* All related specifications are meets or exceeds.

Due to continual product research and development, the information contained herein is subject to change without notification. Typical Properties may vary slightly.

1. PRODUCT AND COMPANY IDENTIFICATION

Product SYG-455/1000
Supplier PETRELPLUS INC.
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Call # +91 22 6216 7072
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2. COMPOSITION

No harmful substances. Composition of Synthetic hydrocarbon base oil, Lithium complex soap and proprietary additives.

3. HAZARDS IDENTIFICATION

FIRE -Flammable at high temperature.
HEALTH
Eye contact -May cause mild irritation to the eyes upon direct contact.
Skin contact -Prolonged contact may defat the skin or can cause dermatitis.
Inhalation -hazards.
Ingestion -Harmful if swallowed.

4. FIRST-AID MEASURES

Inhalation -Remove person to fresh air. Seek medical help if discomfort persists.
Ingestion -Do not induce vomiting. Seek medical support.
Skin Contact -Immediately flush skin with plenty of water for at least 15 minutes.
Eye Contact -Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally.

5. FIRE-FIGHTING METHODS

Extinguishing media -Use dry chemical powder or carbon di – oxide or foam.
Special protective equipment -Positive pressure self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURE

Personal protection - Adequate ventilation, gloves, goggles, overalls and boots.
Environmental precautions - Avoid entry into water courses.
Clean up method - Absorb on inert material.

7. STORAGE AND HANDLING

Handling - Impervious gloves & eye protection ensure good ventilation. Keep away from source of ignition.
Storage - Store in a cool & dry place.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

Respiratory protection - Not required under normal conditions.
Skin/hand protection - Impervious gloves, overalls, and boots.
Eye protection - Use Goggles

9. TYPICAL PROPERTIES

Soap - Lithium Complex
Color - Red
NLGI - 1
Drop point, °C - 200

10. STABILITY AND REACTIVITY

Stability - Stable
Conditions to avoid - Excessive temperatures
Materials to avoid - Strong oxidizers
Hazardous decomposition products - Oxides of carbon and nitrogen

11. TOXICOLOGICAL INFORMATION

Skin contact	- Possible irritation
Eye contact	- Possible irritation
Inhalation	- Not applicable
Ingestion	- Irritation. May cause lung damage.
Long term effect	- Not known

12. ECOLOGICAL INFORMATION

Mobility	- Mobile
Degradation	- Low
Accumulation	-Not expected
Short- & Long-Term effect	- Water pollutant

13. DISPOSAL CONSIDERATIONS

Dispose off according to local and national regulations.

14. TRANSPORT INFORMATION

CPL	- Not applicable
IMO	-Not applicable

15. REGULATORY INFORMATION

Symbol(s)	-Not applicable
Phrase(s)	- Not applicable
Phrase(s)	- Not applicable

16. OTHER INFORMATION: PRODUCT SAFETY

For safety reasons, it is IMPERATIVE that customer: -Ensure that all those within their control who use the products are supplied with all relevant information contained within the Material Safety Data Sheet and Technical Bulletin concerning the applications for which the product is designed and any instructions or warning.